



## Thornton Creek Water Quality Channel

### Project Summary

The Thornton Creek Water Quality Channel project will use natural drainage system technology to enhance Thornton Creek and provide 2.7 acres of valuable open space for the Northgate community. The design allows for year round water flows through the channel with higher flows during rainy weather.

Located at the headwaters of the South Branch of Thornton Creek, this site offers the last available opportunity to provide water quality treatment to this 680-acre drainage basin before stormwater reaches Thornton Creek. The channel design diverts stormwater and base flow from two locations. The first diversion at the new 3<sup>rd</sup> Avenue creates a series of cascade waterfalls which directs the water to a series of surface swales landscaped with amended soil. The second diversion carries storm and base flows from the regional drainage pipe under NE 100<sup>th</sup> Street to the water quality channel for stormwater treatment and year round flowing water. The existing storm drain pipe will stay in place to carry high storm flows.

**Concept plan of Thornton Creek Water Quality Channel Project showing the water quality facilities and pedestrian connections to surrounding streets and Northgate Commons.**  
(Updated plan will be available in February.)



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The design will also include native landscaping and pedestrian pathways that provide access through the site with connections to the Lorig mixed-use development, the King County Transit Center, the Northgate Mall and the new Library and Community Center just up 5<sup>th</sup> Avenue NE.

### **Conceptual view of completed Thornton Creek Water Quality Channel**



### **Updated Project Schedule**

30% Design	November 2005
60% Design	February 2006
Start Earthwork	June 2006
Channel Construction	April 2007
Substantial Completion	November 2007
Construction Complete	April 2008

### **Construction Coordination**

SPU will be coordinating construction with the adjacent Northgate Commons development (by Lorig Associates and ERA Care) and the new 3<sup>rd</sup> Avenue construction by King County. Earthwork for these three related projects will begin in June 2006. SPU will be constructing the water quality channel and pedestrian network during the summer of 2007. Final landscaping will occur in early 2008.

### **Further Information**

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